(If applicable)

| DECLARATION AND POWER OF   | Attorney Docket Number 20/3, 11/5/   |
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| ATTORNEY FOR PATENT APPLICATION  | FIRST Named Inventor HAN Cheol RYU, et a   |
| (37 CFR 1.63)  | COMPLETE IF KNOWN  |
|  | Application Number   |
| Decisration Submitted Submitted after Initial  | Filing Date  |
| with initial Filling (surcharge  | Art Unit   |
| Filing (37 CFR 1.18(e)) required)  | Examiner Name  |
| My residence, mailing address, and citizenship and believe I am the original and first inventor (if only oint inventor (if plural names are listed below) of twhich a patent is sought on the invention entitled DISTRIBUTED ANALOG PHASE SHIFTER THIN FILM AND METHOD OF MANUFACTOR | one name listed below) or an original and he subject matter which is claimed and for :  USING ETCHED FERROELECTRIC |
| (Tills of th   | e Invention)   |
| na spacification of which  |  |
| ☑ is attached hereto.  |  |
| OR   |  |
| was filed on (if applicable):  | onlication Number  |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

PCT International Application Number

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56. Including for continuation-in-part applications, material information which became available between the filling date of the prior application and the national or PCT international filling date of the continuation-in-part application.

and was amended on

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also Identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT International application having a filing date before that of the application on which priority is claimed.

| Prio | r Fore | on A | cat | lant | 3) | į |
|------|--------|------|-----|------|----|---|
|      |        |      |     |      |    |   |

| Prior Foreign Application Number(s) | Country           | Foreign Filing Date<br>(MM/DD/YYY) | Priority<br>Not Clalmed | Certified Copy<br>Allached? |
|-------------------------------------|-------------------|------------------------------------|-------------------------|-----------------------------|
| 2003-56847                          | Republic of Korea | 08/18/2003                         |                         | Yes □ No                    |
| 2003-36647                          | Republic of Rorea | Udi 18/2003                        |                         | ☐ Yes ☐ No                  |

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent atternoys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

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## Appendix A

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: Ramin Aghevil, Reg. No. 43,482; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Rog. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr. Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Cory G. Claassen, Reg. No. 50,296; Thomao M. Coester, Reg. No. 39,637; Miml D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Tarek N. Fahmil, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George L. Fountain, Reg. No. 36,374; Adam Furst, Reg. No. 51,710; Angelo J. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,521; Jason R. Graff, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Jason R. Graff, Reg. No. 45,134; Jaffary Scott Helleson, Reg. No. 48,765; James A. Henry, Reg. No. 164; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Aslam A. Jaffery, Reg. No. 51,841; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,736; Suk S. Loo, Reg. No. 47,746; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Michael J. Maille, Reg. No. 36,591; Andre L. Marals, Reg. No. 40,035; Raul D. Martlnez, Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Heather M. Molleur, Reg. No. 52,107; Manho G. Portnova, Reg. No. 45,750; Joseph A. Pugh, Reg. No. 52,107; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 49,023; Thinh V. Nguyen, Reg. No. 46,304; Robert B. O'Rourke, Reg. No. 48,266; Kevin G. Shao,